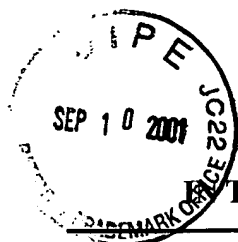


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PATENT
(5181-70200/P5198)

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 09/653,451
Filed: August 31, 2000
Inventor(s):
Slaughter et al

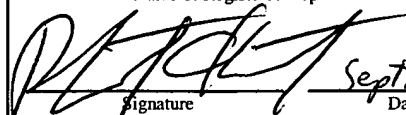
§ Examiner: Unknown
§ Group/Art Unit: 2152
§ Atty. Dkt. No: 5181-70200
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Title: METHOD AND
APPARATUS TO
DISCOVER SERVICES
AND NEGOTIATE
CAPABILITIES

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, Washington, DC 20231, on the date indicated below.

Robert C. Kowert

Name of Registered Representative

 Sept. 7, 2001
Signature Date

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

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Sir:

Applicant requests consideration of ☒ the references listed on the attached Form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A copy of each reference listed on the Form PTO-1449 is enclosed.

1. This Information Disclosure Statement is submitted:

- a. ☐ within 3 months of the filing date of a national application other than a continued prosecution application under § 1.53(d);
☐ within 3 months of the date of entry of the national stage as set forth in § 1.491 in an International application;
☒ before the mailing date of a first Office Action on the merits; or
☐ before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.
- b. ☐ after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus: ☐ the certification of paragraph 2 below is provided, or ☐ a fee of \$180.00 is enclosed.

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- c. ☐ after the mailing date of a final Office Action or a Notice of Allowance and prior to payment of the issue fee, and thus: the certification of paragraph 2 below is provided and a fee of \$180.00 is enclosed.
2. It is hereby certified:
- ☐ that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in 1.56 (c) more than three months prior to the filing of the Statement.
3. ☐ Consideration of the following additional information (including any co-pending or abandoned U.S. applications, prior uses and/or sales, etc.) is requested:
4. For each non-English language reference listed on the attached Form PTO-1449:
- ☐ reference is made to an English language translation submitted herewith, and/or
- ☐ reference is made to a foreign patent office search report (in the English language) submitted herewith, and/or
- ☐ reference is made to an English language translation of a foreign patent office search report submitted herewith, and/or
- ☐ reference is made to the concise explanation contained in the specification of the present application at page(s) _____, and/or
- ☐ reference is made to the concise explanation set forth below:
5. ☐ Applicant also offers the following comments for the Examiner's consideration:
6. ☐ Also enclosed is a copy of a foreign search report citing these references.
7. ☐ The listed documents were brought to the attention of the Applicant(s) after payment of the issue fee in the captioned case. The documents were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Applicant(s) request this Information Disclosure Statement and attached Form PTO-1449 be placed in the file of the captioned application.

8. ☐ Applicant(s) requests that the Information Disclosure Statement and attached Form PTO-1449 and references, which are being filed before the grant of the patent and pursuant to 37 C.F.R. § 1.97(i), be placed in the file of the captioned application.

If any required fees are missing, the Commissioner is authorized to charge said fees to Conley, Rose & Tayon, P.C. Deposit Account No. 50-1505/5181-70200.

Respectfully submitted,

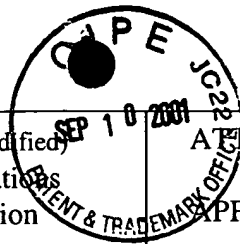


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P. O. Box 398
Austin, Texas 78767
(512) 476-1400

Date: Sept. 7, 2001

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Form PTO-1449 (modified)
List of Patents and Publications
For Applicant's Information
Disclosure Statement
(Use several sheets if necessary)

ATTY. DKT. NO. 5181-70200

SERIAL NO. 09/653,451

APPLICANT: Slaughter et al.

GROUP: 2152

FILING DATE: August 31, 2000

U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
	D1	5,778,187	7/7/98	Monteiro, et al.			
	D2	5,832,529	11/3/98	Wollrath, et al.			
	D3	6,016,500	1/18/00	Waldo, et al.			

FOREIGN PATENT DOCUMENTS

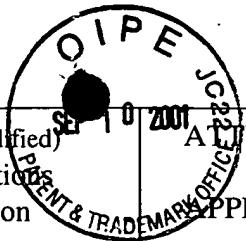
EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
	C1	11-45187	10/10/97	JP			
	C2	2 253 079	8/26/92	GB			
	C3	2 262 825	6/30/93	GB			
	C4	2 305 087	3/26/97	GB			
	C5	300 516	1/25/89	EP			
	C6	351 536	1/24/90	EP			
	C7	384 339	8/29/90	EP			
	C8	472 874	3/4/92	EP			
	C9	474 340	3/11/92	EP			
	C10	497 022	8/5/92	EP			
	C11	555 997	8/18/93	EP			
	C12	565 849	10/20/93	EP			
	C13	569 195	11/10/93	EP			
	C14	697 655	2/21/96	EP			
	C15	660 231	6/28/95	EP			
	C16	651 328	5/3/95	EP			
	C17	625 750	11/23/94	EP			
	C18	718 761	6/26/96	EP			
	C19	767 432	4/9/97	EP			
	C20	778 520	6/11/97	EP			
	C21	794 493	9/10/97	EP			

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**Form PTO-1449** (modified)

List of Patents and Publications

For Applicant's Information

Disclosure Statement

(Use several sheets if necessary)

APP. DKT. NO. 5181-70200

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FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
	C22	803 810	10/29/97	EP			
	C23	803 811	10/29/97	EP			
	C24	805 393	11/5/97	EP			
	C25	810 524	12/3/97	EP			
	C26	817 020	1/7/98	EP			
	C27	817 022	1/7/98	EP			
	C28	817 025	1/7/98	EP			
	C29	836 140	4/15/98	EP			
	C30	92/07335	4/30/92	WO			
	C31	92/09948	6/11/92	WO			
	C32	93/25962	12/23/93	WO			
	C33	94/03855	2/17/94	WO			
	C34	96/10787	4/11/96	WO			
	C35	96/03692	2/8/96	WO			
	C36	96/18947	6/20/96	WO			
	C37	96/24099	8/8/96	WO			
	C38	98/02814	1/22/98	WO			
	C39	98/04971	2/5/98	WO			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	C40	Jaworski, "Java 1.1 Developer's Guide, 2 nd Edition," Sams.net, 1997.
	C41	Coulouris, et al., "Distributed Systems Concepts and Designs," Second Edition, Addison-Wesley, 1994.
	C42	Mullender, "Distributed Systems," Second Edition, Addison-Wesley, 1993.
	C43	Lindholm, et al., "The Java TM Virtual Machine Specification," Addison Wesley, 1996.
	D4	"SOAP: Simple Object Access Protocol," msdn online Web Workshop, Microsoft, April 26, 2000, http://msdn.Microsoft.com/xml/general/soapspec.asp , 34 pages.
	D4	Rob Guth, "Sun tries on JcaSpaces for Distributed OS," August 1997, Vol. 19, Issue 34, 2 pages.
	D6	Microsoft, "Microsoft.NET: Realizing the Next Generation Internet," A Microsoft White Paper, June 2000, 8 pages.

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